

**ABSTRACT**

A suspension system for suspending a laser discharge unit (LDU) is provided herein. The suspension system includes steel W-springs instead of rubber blocks. The new design increases long time position stability and position accuracy after remounting of the LDU.

- 5 Further isolation of vibrations caused by the fan of the LDU to the optics frame is increased, too. With the new steel W-spring suspension the maximum amplitudes of the vibrations are a factor 2.5 till 6 lower than with the rubber block suspension.